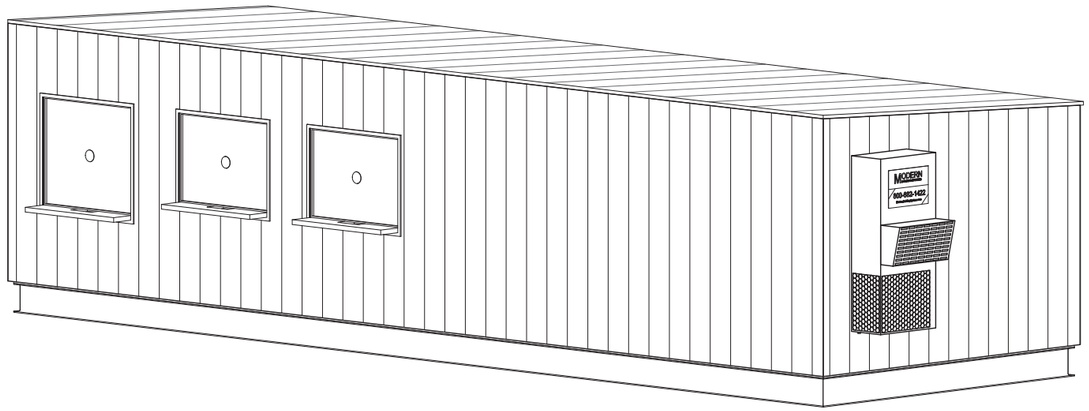
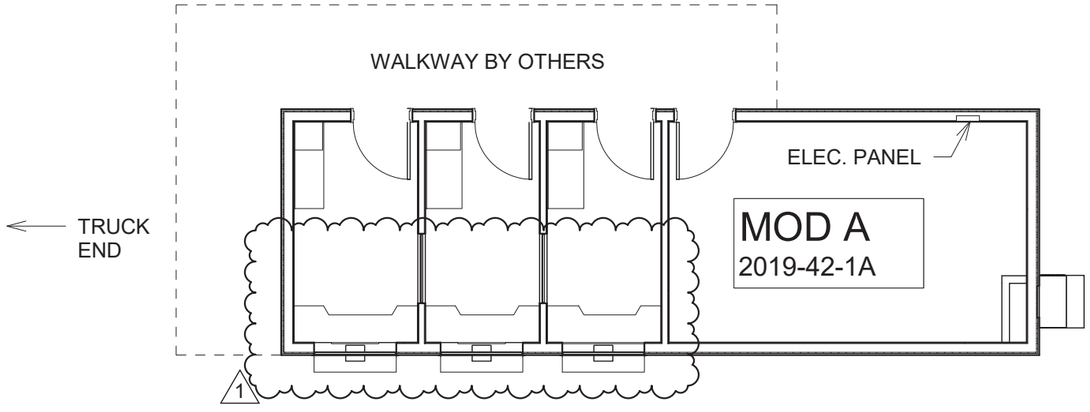
HOFFMAN TICKET BOOTH

13' x 40' MODULAR OFFICE





1 SITE LAYOUT
1/8" = 1'-0"

SHEET INDEX

Sht. No.	Sheet Name	Current Rev.	Rev Issued By
A 0.0	COVER SHEET	TBD	LA
A 0.1	GENERAL NOTES	TBD	LA
A 0.3	SYMBOLS & ABBREVIATIONS		
A 1.0	FLOOR PLAN	TBD	LA
A 2.0	EXTERIOR ELEVATIONS	TBD	LA
A 2.1	EXTERIOR ELEVATIONS	TBD	LA
A 3.0	FINISH PLAN (NOT USED)		
A 3.1	FINISH NOTES		
A 3.2	SCHEDULES	TBD	LA
A 3.3	DATA SCHEDULES		
A 4.0	INTERIOR ELEVATIONS	TBD	LA
A 5.0	WINDOW/DOOR DETAILS	TBD	LA
S 4.4	DETAILS	TBD	LA
E 0.1	ELECTRICAL LEGEND & NOTES	TBD	LA
E 1.0	ELECTRICAL PLAN	TBD	LA
E 2.0	LIGHTING PLAN		
E 3.0	ELEC. PANELS & LOAD CALCS.	TBD	LA
M 0.1	HVAC NOTES & LEGEND		
M 1.0	HVAC PLAN	TBD	LA

WA State Ferries
C-9074 Colman Dock

Submittal #: 565.2

- ☐ APPROVED
- ☒ APPROVED AS NOTED
  No Resubmittal Needed
- ☐ PARTIALLY APPROVED AS NOTED
  Revise & Resubmit as Noted
- ☐ REVISE & RESUBMIT

Comments:

By: [signature] Date: 25Apr2019

CUSTOMER APPROVAL

- ☐ APPROVED
- ☒ APPROVED EXCEPT AS NOTED
- ☐ REVISE AS NOTED AND RESUBMIT

BY 4-26-19

DATE [signature]

PLEASE REVIEW AND COMMENT ON THESE DOCUMENTS. PLEASE RETURN APPROVED SET OR COMMENTS BY 04/25/19
FAILURE TO RESPOND BY THIS DATE COULD CAUSE DELAYS, INCREASED COSTS, INABILITY TO INCORPORATE YOUR CHANGES OR ALL OF THE ABOVE

CHECK, SIGN, DATE, AND RETURN
BY 04/25/19
(WITH MARK UPS IF REQUIRED)

HOFFMAN CONSTRUCTION COMPANY
This submittal has been reviewed for general conformance with the contract documents. Contractor's review does not relieve the Vendor/Subcontractor of responsibility for compliance with all requirements of the contract, including completeness and accuracy of this submittal.

Bryan Lammers
4/23/19 565.2
Date Submittal #

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

MODERN BUILDING SYSTEMS
MODERN BUILDING SYSTEMS, INC.
TELEPHONE: (503) 749-4949 FAX: (503) 749-4950
P.O. BOX 110, 9493 PORTER ROAD, AUMSVILLE, OR 97325
CHECK OUT OUR WEB PAGE: www.modernbuildingsystems.com

SHEET COVER SHEET
JOB# 2019-AR-42
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
SHEET # A 0.0
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
DATE 4/16/19

GENERAL NOTES

1. THE TERM IBC SHALL APPLY TO THE CURRENT EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) AS AMENDED BY THE STATES OF OREGON AND WASHINGTON. FOR PROJECTS IN ALL OTHER STATES IT SHALL APPLY TO THE CURRENT EDITION OF THE UBC OR IBC AS ADOPTED BY THAT STATE.
2. ALL CONTROLS AND HARDWARE SHALL BE ACCESSIBLE TO PERSONS WITH DISABILITIES.
3. LOCAL JURISDICTION TO DETERMINE COMPLIANCE WITH IBC CHAPTER 29 (WITH REGARD TO ADJACENT FACILITIES) IN ACCORDANCE WITH THEIR CURRENTLY ADOPTED EDITION OF THE IBC.
4. WHERE REQUIRED, PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN ACCORDANCE WITH 2015 IFC SECTION 906
5. PER WAC 296-150F-0605 REQUIRES TOILET FACILITIES LOCATED IN AN ADJACENT FACILITY TO BE NOTED ON THE PLAN SUBMITTAL AND THAT THE REQUIREMENTS OF IBC CHAPTER 29, SECTION 2902, TABLE 2902.1 OF THE STATE BUILDING CODE MUST BE VERIFIED BY THE LOCAL JURISDICTION BUILDING OFFICIAL AND SHOWN ON THE NLEA.
6. IF APPLICABLE, FIRE ALARM SYSTEM TO BE FIELD INSTALLED (BY OTHERS) PER 2015 IBC SECTION 907.2.3, GROUP E. SEE ELECTRICAL PLAN FOR DEVICE LOCATIONS. FIRE ALARM INSPECTION AND APPROVAL PER LOCAL AUTHORITY HAVING JURISDICTION.
7. IF APPLICABLE, FIRE SAFETY AND EVACUATION PLANS SHALL BE PROVIDED BY OWNER PRIOR TO CERTIFICATE OF OCCUPANCY PER 2015 IFC SECTION 403
8. AN ACCESSIBLE ROUTE SHALL BE PROVIDED TO THE BUILDING AREA AS REQUIRED IN 2015 IBC SECTION 1104

DESIGN CRITERIA

GENERAL:	
CONSTRUCTION TYPE	IIB (NON-SPRINKLERED)
OCCUPANCY GROUP	B
OCCUPANCY LOAD	6
DISTANCE TO PROPERTY LINE OR ASSUMED PROPERTY LINE	FRONT: 10' MIN. REAR: 10' MIN. LEFT: 10' MIN. RIGHT: 10' MIN.
EXTERIOR WALL RATING	FIRE SEPARATION DISTANCE 10' OR GREATER, NO RATING REQUIRED, PER IBC TABLE 602
ELECTRICAL:	
ELECTRICAL SERVICE LOAD	100A / 120/208V / 3 PH. 14.7 kVA 1
MECHANICAL:	
VENTILATION OCCUPANCY LOAD	5
CLIMATE ZONE	4C/5B
HEATING	SPV/HP
AIR-CONDITIONING	YES
PLUMBING:	
PLUMBING OCCUPANCY LOAD	6 (3 MALE/3 FEMALE)
QUANTITY OF PLUMBING FIXTURES	0 (SEE GENERAL NOTE #3)
STRUCTURAL:	
REQUIRED SPECIAL INSPECTIONS	WELDING AT FLOOR BEAMS AND ROOF JOIST WEB STIFFENERS
ROOF SNOW LOAD	25 PSF
FLOOR LIVE LOAD	50 PSF Exp D
WIND LOAD	Lambda = 1.0 Vult = 140 MPH (Vasd = 108 MPH) 3 SECOND GUST - EXP. D Vult=97 mph
SEISMIC	BEARING WALL SYSTEM: S_S = 1.372, F_a = 1.000 Ss=1.395 Fa 1.20 S_{DS} = 0.915, RISK CATEGORY II SDS 1.116 I_e = 1.0, SEISMIC DESIGN CATEGORY D, SITE CLASS D Site Class C

THIS SET OF PLANS PREPARED AND SUBMITTED FOR APPROVAL UNDER THE FOLLOWING CODES:

Island county requires 2018 codes

BUILDING	2015 IBC/WAC 51-50
MECHANICAL	2015 IMC/WAC 51-52
FIRE	2015 IFC/WAC 51-54A
PLUMBING	2015 UPC/WAC 51-56
ENERGY	2015 WSEC/WAC 51-11C
ELECTRICAL	2017 NEC

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

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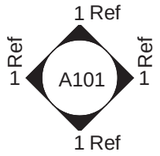
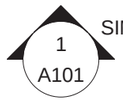
SHEET GENERAL NOTES
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
JOB# 2019-AR-42
SHEET # A 0.1
DATE 4/16/19

TYPICAL SYMBOLS LEGEND

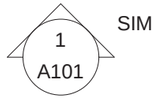
NORTH ARROW



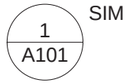
ELEVATION BUBBLE



SECTION BUBBLE



DETAIL BUBBLE



DETAIL CALLOUT

GRID BUBBLE

ELEVATION LEVEL

MODULE TAG

WALL TAG

DOOR TAG

WINDOW TAG

REVISION TAG


CENTERLINE

KEYNOTE

ABBREVIATIONS

A.B.	ANCHOR BOLT
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISH FLOOR
AL	ALUMINUM
BA	BRONZE ANODIZED
BD.	BOARD
BLK.	BLOCK
B.O.	BOTTOM OF
BOT.	BOTTOM
BRCH	BIRCH
BV.	BOTTOM VENT
CDR.	CEDAR
CJ	CONTROL JOINT
CL	CENTERLINE
CLG.	CEILING
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
C.O.	CLEAN OUT
CONC.	CONCRETE
CONT.	CONTINUOUS
CPT	CARPET
DBL.	DOUBLE
DF	DRINKING FOUNTAIN
DIA.	DIAMETER
DIM.	DIMENSION
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
EA.	EACH
ELEC.	ELECTRICAL
ELEV.	ELEVATIONS
EQUIP.	EQUIPMENT
EXIST.	EXISTING
EXT.	EXTERIOR
E.W.	EACH WAY
FD	FLOOR DRAIN
FDN	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FGL	FIBERGLASS
FLR.	FLOOR
FIN.	FINISH
F.O.FIN.	FACE OF FINISH
F.O.FRM.	FACE OF FRAMING
FS	FLOOR SINK
GA.	GAUGE
GALV.	GALVANIZED
GLB	GLULAM BEAM
GYP.	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HF	HEM FIR
HM	HOLLOW METAL
HSS	HOLLOW STRUCTURAL SECTION
INFO.	INFORMATION
INSUL.	INSULATION
INT.	INTERIOR
KD	KNOCK DOWN
L.	LONG
LAV	LAVATORY
LH	LEFT HAND
LHOS	LEFT HAND OUT SWING
LVL	LAMINATED VENEER LUMBER
MAX.	MAXIMUM
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MOD	MODULE
MPL	MAPLE
MTL.	METAL
MV	MIXING VALVE
N.I.C.	NOT IN CONTRACT
NOM.	NOMINAL
NRW	NARROW (LITE)
NTS	NOT TO SCALE
OBS	OBSCURE
O.C.	ON CENTER
OFCI	OWNER FURNISHED CONTRATOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OPP.	OPPOSITE
O.S.B.	ORIENTED STRAND BOARD
PD	PUNCH & DIMPLE
PF	PREFINISHED
PLAM	PLASTIC LAMINATE
PLCS	PLACES
PLYWD	PLYWOOD
PNT	PAINT
P.T.	PRESSURE TREATED
REFRIG.	REFRIGERATOR
REQ'D	REQUIRED
RH	RIGHT HAND
RHOS	RIGHT HAND OUT SWING
R.O.	ROUGH OPENING
SC	SOLID CORE
SF	STOREFRONT
SH	SINGLE HUNG
SHT.	SHEET
SHTG.	SHEATHING
SIM.	SIMILAR
SIMP.	SIMPSON
SQ.	SQUARE
S.S.	STAINLESS STEEL
STN.	STAIN
STRUCT.	STRUCTURAL
TIM.	TIMELY
TMP	TEMPERED SAFETY GLAZING
T.O.	TOP OF
TTP	TAPE, TEXTURE & PAINT
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
UR	URINAL
VCT	VINYL COMPOSITION TILE
V.C.	VINYL COATED
VWS	VINYL WRAP SURROUND
W/	WITH
WC	WATER CLOSET
WD.	WOOD
WH	WATER HEATER

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY

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MODERN BUILDING SYSTEMS, INC.
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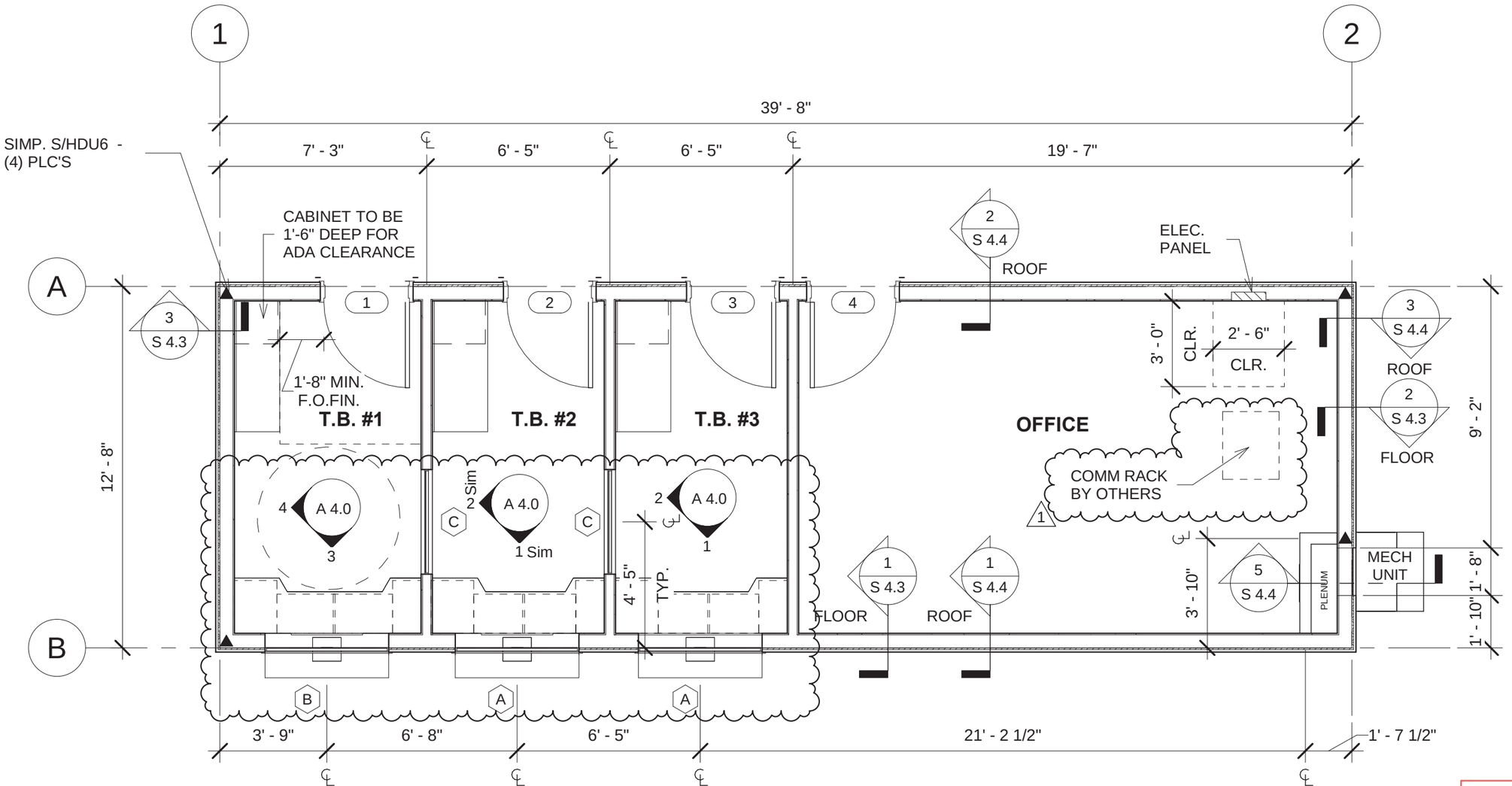
P.O. BOX 110, 9493 PORTER ROAD, AUMSVILLE, OR 97325
CHECK OUT OUR WEB PAGE: www.modernbuildingsystems.com

SHEET SYMBOLS & ABBREVIATIONS
JOB# 2019-AR-42
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
SHEET # A 0.3
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
DATE 4/16/19



1 FLOOR PLAN
1/4" = 1'-0"

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

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SHEET FLOOR PLAN

JOB# 2019-AR-42

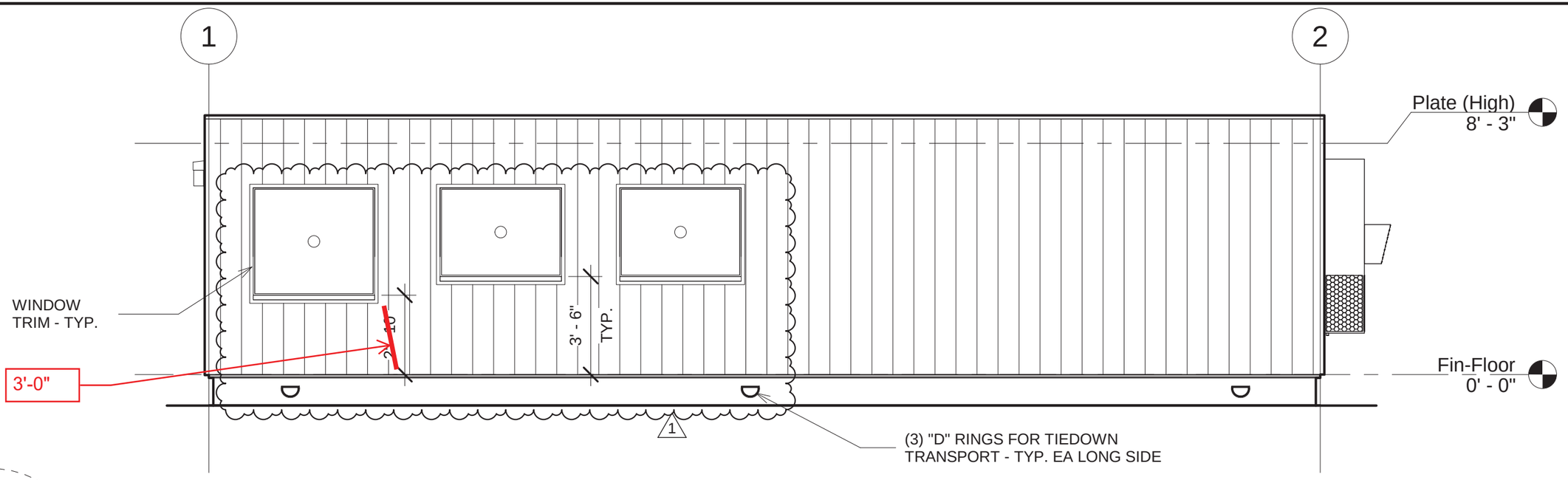
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH

SHEET # A 1.0

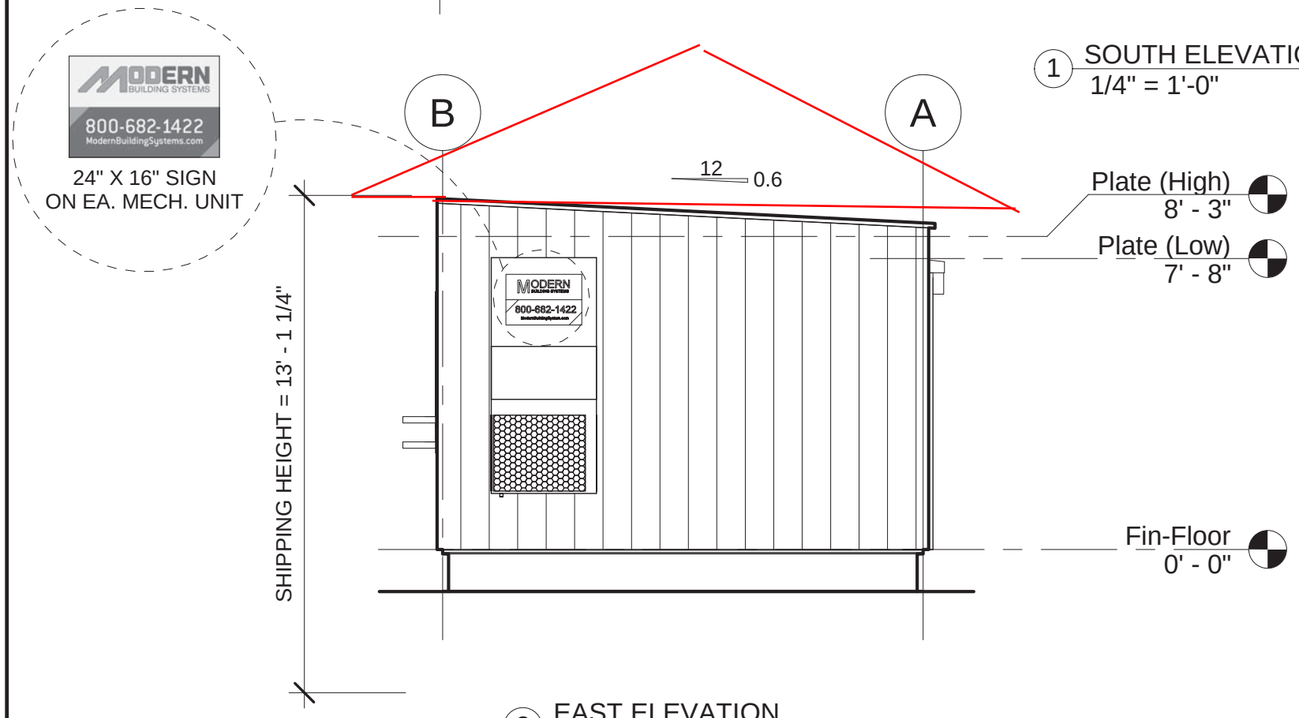
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104

DRW LA

DATE 4/16/19



1 SOUTH ELEVATION
1/4" = 1'-0"



2 EAST ELEVATION
1/4" = 1'-0"

APPROVED AS NOTED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

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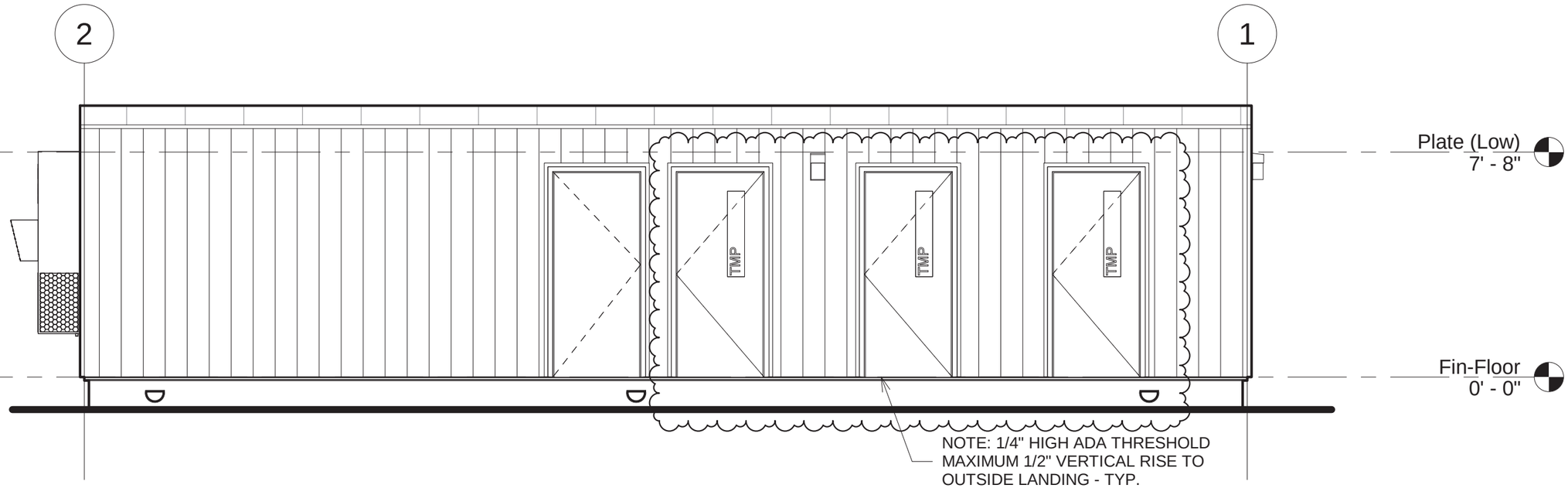
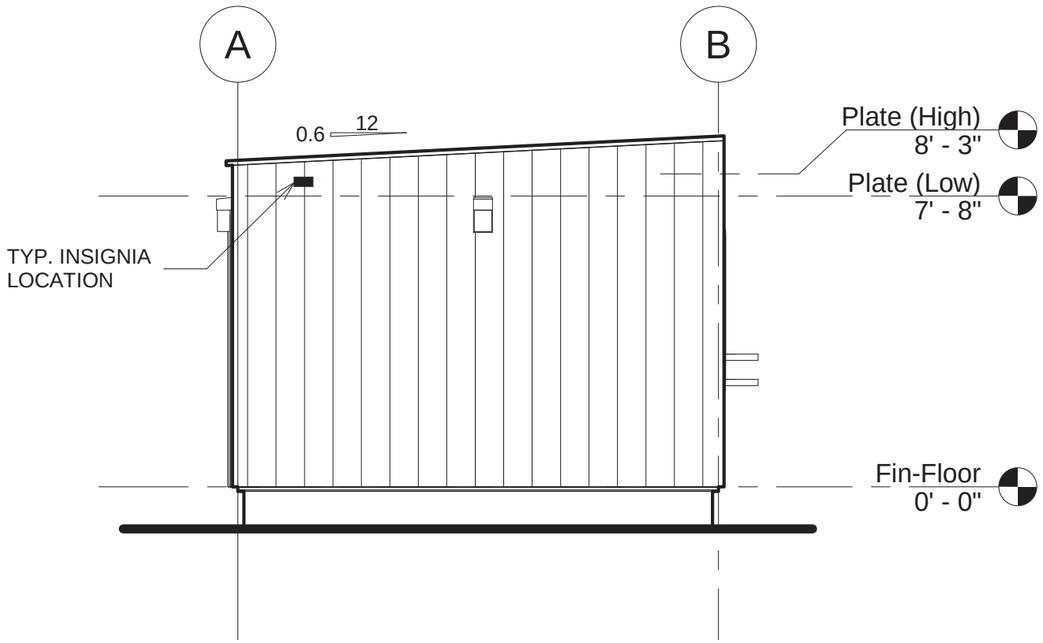
SHEET EXTERIOR ELEVATIONS
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
JOB# 2019-AR-42
SHEET # A 2.0
DATE 4/16/19



1 NORTH ELEVATION
1/4" = 1'-0"



2 WEST ELEVATION
1/4" = 1'-0"

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
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REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

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SHEET EXTERIOR ELEVATIONS

JOB# 2019-AR-42

PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH

SHEET # A 2.1

ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104

DRW LA

DATE 4/16/19

FLOOR CONSTRUCTION

FINISH: VCT THRU-OUT

BASE: 4" VINYL THRU-OUT

UNDERLAYMENT: 1/4" HARDI BACKER

SUBFLOOR: 23/32" F.R.T. PLYWOOD
(ACTS AS 1 PERM MAX. VAPOR BARRIER)
(ACTS AS AIR BARRIER)

JOISTS: 800S250-54 (50 KSI) AT 24" O.C.

PERIMETER RIM: W 12 x 22 (PRIME & PAINT)

OFFSET RIMS: NONE

INSULATION: R-30 U (FIBERGLASS BATTS), R-6 (RIGID)

BOTTOM CLOSURE: 26 GA FLAT MTL SHEET

EXTERIOR WALL CONSTRUCTION

PLATE HEIGHT: 7'-8" AT GRID "A", 8'-3" AT GRID "B"

SIDING: 24 GA 1" x 12" TAYLOR METAL FLAT PAN SMOOTHWALL OVER HENRY BLUESKIN BLDG WRAP

SHEATHING: 23/32" F.R.T. PLYWOOD

STUDS: 550S162-33 (33 KSI) AT 24" O.C. W/ 550T150-33 (33 KSI) TRACK AT TOP AND BOTTOM

INSULATION: R-19 U (FIBERGLASS BATTS), R-6 (RIGID)
SEE DOOR AND WINDOW SCHEDULE FOR SIZE.

INTERIOR FINISH: 5/8" TYPE 'X' GYPSUM BOARD W/ TAPE/TEXTURE PAINT (TTP), USE DRYWALL PANEL ADHESIVE AT STUDS
(ACTS AS 1 PERM MAX. VAPOR BARRIER)
(ACTS AS AIR BARRIER)

SKIRT: NONE

INTERIOR WALL CONSTRUCTION

PLATE HEIGHT: SLOPED UP FROM 7'-8" AT GRID "A" TO 8'-3" AT GRID "B"

STUDS: 350S162-33 (33 KSI) AT 24" O.C. W/ 350T150-33 (33KSI) TRACK AT TOP AND BOTTOM

INTERIOR FINISH: 5/8" TYPE 'X' GYPSUM BOARD W/ TAPE, TEXTURE PAINT (TTP), USE DRYWALL PANEL ADHESIVE AT STUDS

CEILING NOTES

CEILING HEIGHT: SLOPED UP

CEILING: 5/8" TYPE 'X' GYPSUM BOARD W/ TAPE, TEXTURE PAINT (TTP)

INSULATION: R-6 (RIGID)

ROOF CONSTRUCTION

ROOFING: 24 GA 12" ACCENT RIB STANDING SEAM OVER ICE & WATER SHIELD

SHEATHING: 23/32" F.R.T. PLYWOOD
(ACTS AS AIR BARRIER)

FRAMING: 800S250-54 (50 KSI) AT 24" O.C.

BEAMS: NONE

INSULATION: R-28 (CELLULOSE) W/ FS-25, R-6 (RIGID)
(ACTS AS 1 PERM MAX. VAPOR BARRIER)

OVERHANG: 1-1/2" AT GRID "A"

ROOF PITCH: 0.6 IN 12

EXTERIOR NOTES

CORNER BATTS: CO - OUTSIDE CORNER (SEE A 3.5)

FASCIA: NONE

BARGE: NONE

WINDOW/DOOR TRIM: CF - FLASHING (SEE A 3.4)

GUTTERS: 4" K-LINE (PREFINISHED)

DOWNSPOUTS: 2" x 3" RECT. (PREFINISHED)

STANDARD SHEATHING FASTENING - U.N.O.

FROM ESR-1539 JULY 2018

	SPACING	TYPE	MIN. LENGTH
FLOOR SHEATHING (UNBLOCKED)			
23/32" F.R.T. PLYWOOD*	6" EDGE 12" FIELD	#8 SD SCREWS	1-1/2"
FLOOR UNDERLAYMENT (GLUE AND STAGGER JOINTS)			
1/4" HARDI BACKER	8" EDGE 8" FIELD	#8 SP SCREWS	1-1/2"
SHEATHING (UNBLOCKED)			
23/32" F.R.T. PLYWOOD	6" EDGE 12" FIELD	#8 SD SCREWS	1-1/2"
ROOF SHEATHING (UNBLOCKED)			
23/32" F.R.T. PLYWOOD	6" EDGE 12" FIELD	#8 SD SCREWS	1-1/2"

*NOTE: AT W12 FLR RIM FASTEN 23/32" F.R.T. PLYWD WITH HILTI X-U 0.157 x 1.25

APPROVED
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C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY

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SHEET FINISH NOTES
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DOOR SCHEDULE

Mark	Width	Height	Thickness	Door Swing	Core	Lite Size	Lite Glass	Face	Door Finish	Frame Type	Frame Finish	Throat	R.O. Type	Hdw Group	Fire Rating	Door Header	U-Value	Remarks
1	3' - 0"	7' - 0"	1 3/4"	LH	HM	NRW	CLR / TMP	MTL	PT	HM	PT	7 1/4"	G	1	-	(2) 550S162-33	.22	
2	3' - 0"	7' - 0"	1 3/4"	LH	HM	NRW	CLR / TMP	MTL	PT	HM	PT	7 1/4"	G	1	-	(2) 550S162-33	.22	
3	3' - 0"	7' - 0"	1 3/4"	LH	HM	NRW	CLR / TMP	MTL	PT	HM	PT	7 1/4"	G	1	-	(2) 550S162-33	.22	
4	3' - 0"	7' - 0"	1 3/4"	RH	HM	-	-	MTL	PT	HM	PT	7 1/4"	G	1	-	(2) 550S162-33	.22	

NOTES:
1. CAULK AND SEAL ALL EXTERIOR DOORS
2. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT (U.N.O.)
3. ALL DOOR LEADS 4-1/2" (U.N.O.)
4. ALL DOORS TO HAVE A OPENING FORCE NOT EXCEED 5 POUNDS
5. DOOR SURFACES WITHIN 10" OF THE FLOOR MEASURED VERTICALLY, SHALL BE SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR PER SECTION 2009 A117.1 404.2.9

WINDOW SCHEDULE

3'-2" 3'-8"

Mark	Count	Width	Height	Type	Frame	Glass	SHGC	U-VAL	Air Leakage	Ext. Trim	Int. Trim	Window Header	Comments
A	2	4' - 4"	~~3' - 4"~~	FIXED	AL	SINGLE / TMP / TINT (SEE NOTE #2)	0.45	0.81	-	CF	-	(2) 550S162-33	CUSTOM W/ CRL 834A SPEAK THRU, SIZES INCLUDES DEAL TRAY FOR RO'S
B	1	4' - 4"	~~4' - 0"~~	FIXED	AL	SINGLE / TMP / TINT (SEE NOTE #2)	0.45	0.81	-	CF	-	(2) 550S162-33	CUSTOM W/ CRL 834A SPEAK THRU, SIZES INCLUDES DEAL TRAY FOR RO'S
C	2	3' - 8"	3' - 2"	FIXED	AL	SINGLE / TMP	0.00	0.00	-	CF	-	-	CUSTOM W/ CRL 834A SPEAK THRU

NOTES:
1. CAULK AND SEAL ALL EXTERIOR WINDOWS
2. LLUMAR -TINT FILM VE50 SR CDF (VISTA RADIANCE) ON INTERIOR SIDE OF WINDOW OR EQUAL

HARDWARE SCHEDULE

GROUP #1	GROUP #2	GROUP #3	GROUP #4	GROUP #5	GROUP #6	GROUP #7
1-1/2 PAIR BUTTS LEVER/LEVER W/ LOCK (D53PD) CLOSER WEATHER-STRIP DOOR SWEEP 1/2" MAX. ACCESSIBLE THRESHOLD						

APPROVED AS NOTED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

MODERN BUILDING SYSTEMS
MODERN BUILDING SYSTEMS, INC.
TELEPHONE: (503) 749-4949 FAX: (503) 749-4950
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CHECK OUT OUR WEB PAGE: www.modernbuildingsystems.com

SHEET SCHEDULES
JOB# 2019-AR-42
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
SHEET # A 3.2
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
DATE 4/16/19

DOOR ROUGH OPENING SCHEDULE

EXTERIOR DOORS	
A	METAL DOORS W/ HOLLOW METAL FRAME (WELDED) R.O. WIDTH CALL SIZE + 4-1/2" R.O. HEIGHT CALL SIZE + 2-1/8"
B	DBL. METAL DOORS W/ HOLLOW METAL FRAME (WELDED) R.O. WIDTH CALL SIZE + 4-1/2" R.O. HEIGHT CALL SIZE + 2-1/8"
C	STOREFRONT DOOR R.O. WIDTH CALL SIZE + 4-1/2" R.O. HEIGHT CALL SIZE + 2-1/8"
D	TIMELY SPLIT MEDIA DOOR R.O. WIDTH CALL SIZE + 1-1/4" R.O. HEIGHT CALL SIZE + 1"
E1	METAL DOOR W/ WOOD FRAME (PEASE AND STANLEY) (INSWING) R.O. WIDTH CALL SIZE + 2" R.O. HEIGHT CALL SIZE + 2"
E2	METAL DOOR W/ WOOD FRAME (PEASE AND STANLEY) (OUTSWING) R.O. WIDTH CALL SIZE + 2" R.O. HEIGHT CALL SIZE + 1-9/16"
F	METAL DOOR W/ METAL FRAME (FAST-FRAME) R.O. WIDTH CALL SIZE + 1-1/4" R.O. HEIGHT CALL SIZE + 1"
G	METAL DOOR W/ HOLLOW METAL FRAME (KNOCK-DOWN) R.O. WIDTH CALL SIZE + 2" R.O. HEIGHT CALL SIZE + 1"
INTERIOR DOORS	
1	HOLLOW / SOLID WOOD DOOR W/ WOOD FRAME R.O. WIDTH CALL SIZE + 2" R.O. HEIGHT CALL SIZE + 2-1/8"
2	TIMELY FRAME R.O. WIDTH CALL SIZE + 1-1/4" R.O. HEIGHT CALL SIZE + 1"
3	POCKET DOOR R.O. WIDTH 2x CALL SIZE + 2" R.O. HEIGHT CALL SIZE + 4"
4	BI-PASS DOOR R.O. WIDTH CALL SIZE R.O. HEIGHT CALL SIZE + 2-1/8"
5	BI-FOLD DOOR R.O. WIDTH CALL SIZE R.O. HEIGHT CALL SIZE + 5/8"

NOTE: ALL TRIMMER HEIGHTS = R.O. CALL SIZE MINUS 1-1/2"

AREA SCHEDULE (Gross Building)

AREA TYPE	NO. MODS	AREA
Gross Building Area	1	502 SF

ROOF SCHEDULE

DESCRIPTION	AREA
ROOF SHEATHING AND RIGID INSULATION	503 SF
ROOF	525 SF

WALL SCHEDULE

DESCRIPTION	LENGTH
EXTERIOR	103' - 3"
INTERIOR	42' - 0"

OCCUPANT LOAD SCHEDULE

FUNCTION OF SPACE	Area	LOAD FACTOR	OCCUPANT LOAD
OFFICE	216 SF	100	3
TICKET BOOTH #1	76 SF	100	1
TICKET BOOTH #2	70 SF	100	1
TICKET BOOTH #3	70 SF	100	1
Total			6

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY

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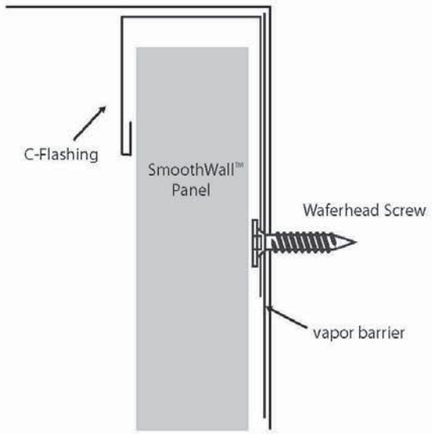
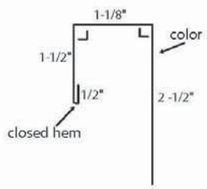
SHEET DATA SCHEDULES
JOB# 2019-AR-42
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
SHEET # A 3.3
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
DATE 4/16/19

C-Flashing



CF C-Flashing

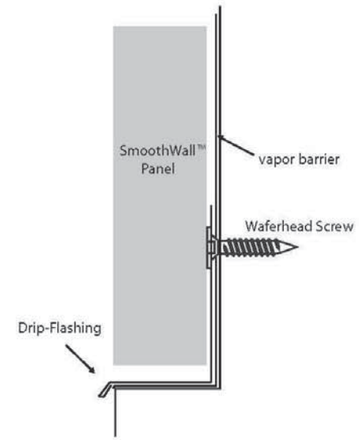
C-flashings are commonly used to flash the ends and sides of the panels. The purpose is to trim the panels for the best appearance. C-flashings also typically used around the sides and bottom of windows and doors.



SmoothWall™ C-Flashing Application

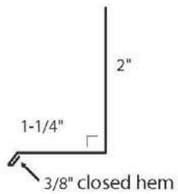
- The C-flashings are applied to the wall, attached every 24" to 48" with a waferhead screw. Apply C-flashing at the top of the wall or when starting and finishing panel runs if no corners are used. For longer runs, it is usually better to apply 10' of flashing on each end at a time, that way you don't have to slide panels a great distance.
- Slide the wall panels into the channel created by the C - flashing. The short leg of the panel should be pointed into the C-flashing at the start of the run. Be sure to fasten the panel to the structure at least every 24" through the wide flange of the panel.
- Successive panels are installed the same way, but are installed so they attach to the previous panel. Push the panels together so there is little or no gap between them.

Drip Flashing



DP Drip Flashing

The drip flashing is used to cap the bottom of the wall panels and to keep water from draining onto a ledge/sill or to drain away from a foundation. Also used above doors and windows.



SmoothWall™ Drip Flashing Application

Place the drip flashing over the ledge/sill at the bottom of the wall.

Fasten the drip flashing to the wall with a waferhead screw through the upright 2" leg every 24" to 48".

Install the first panel so the bottom is 1/16" to 1/8" from the base of the flashing.

Subsequent panels are to be installed the same as the first, so that they are even and uniform.

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

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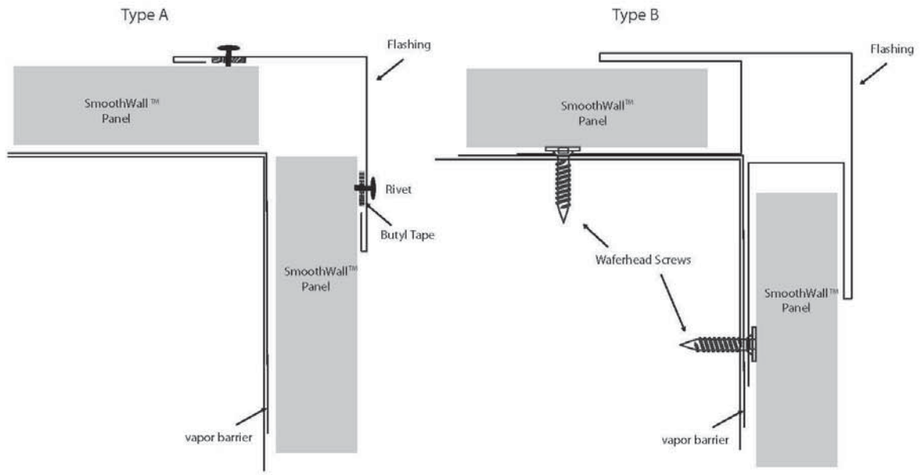
SHEET SIDING PANEL DETAILS
JOB# 2019-AR-42
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
SHEET # A 3.4
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
DATE 4/16/19

Outside Corner Flashing

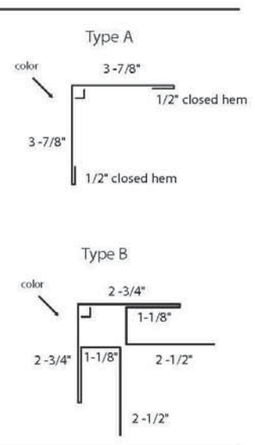


CO Outside Corner

There are two types of outside corner flashing:

Option A: This option is a simple angle which is attached to the panels themselves.

Option B: This flashing is attached to the structure and the panels are fitted into the channels on the flashing.

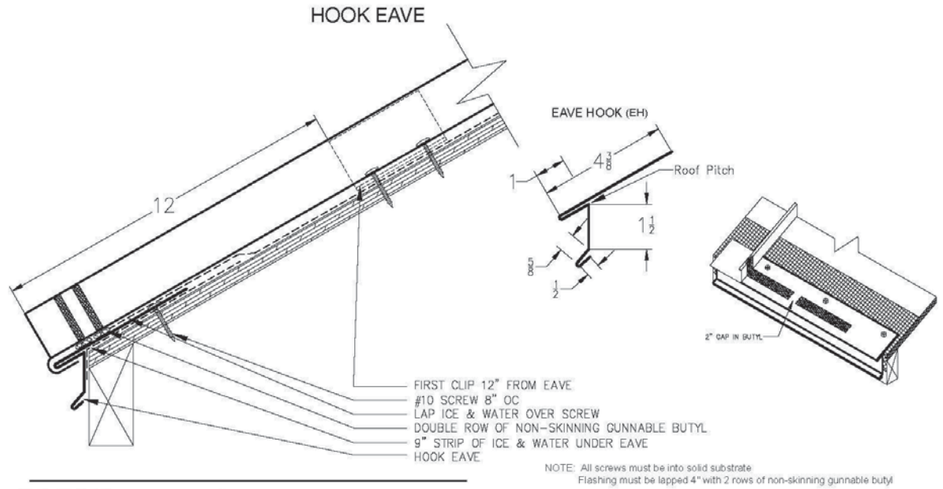


Outside Corner Flashing Application

Type A
Install the panels on the wall running the panels to the corner. Trim as necessary.
Run a strip of butyl tape or caulking on the inside of the flashing, 1" in from each outside edge of the corner flashing.
Attach the outside corner flashing to the panels with a rivet or a woodfast screw every 24" on both sides of the corner flashing, placing the fastener through the butyl tape.

Type B
Install the outside corner flashing to the corner of the structure, using a waferhead type screw every 24".
Fit the edges of the panels into the channel of the corner flashing.
Rivet the panels into place as needed.

Eave Flashing



NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

ELELP Eave Low Pitch for less than 3/12 Pitch

Specify:
- Roof Pitch
- With or without standard drip lip

Eave Flashing Application

- Install eave flashing prior to panel installation (if gutters are installed you may need to notch out for gutter fasteners)
- Use Waferhead Screws and fasten to substrate 18" to 24" or as needed.
- Allow 1" to 2" lap and apply sealant to overlap.
- Apply 2 1/4" beads of sealant along top leg of eave flashing 1" +/- from outside edge. (You may also use butyl mastic)
- Install fascia leg into the gutter.
- Insulate between dissimilar metals.
- Note: Customize flashing for more or less coverage.
- Note: If you experience panel crowning back bend panels at the bottom of panel or turn down edge.

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
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REV.	DESCRIPTION	DATE	BY

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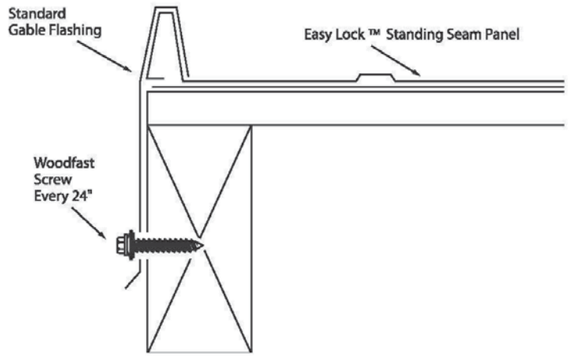
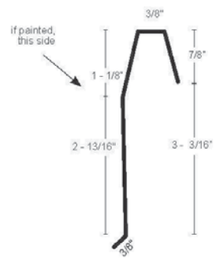
SHEET SIDING & ROOF PANEL DETAILS
JOB# 2019-AR-42
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
SHEET # A 3.5
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
DATE 4/16/19

Gable Flashing



ELGS Gable Standard



Gable Flashing Application

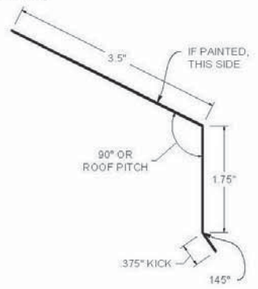
- Install to hold down beginning and/or ending panel(s).
- Trim last panel (if needed) to allow 1" leg to be bent up to receive gable trim.
- Place firmly over rib (or field formed leg).
- Overlap flashing 2" to 3" top over bottom and place 1/8" bead of caulk under lap.
- Fasten to fascia board every 24" with woodfast screw.
- Consider using compensating gable if roof is out of square or to avoid cutting very narrow panel for the ending panel.
- Compensating gable flashing will allow installation to begin or end, up to 2" from gable edge.

Easy Lock

Easy Lock Flashings: 10'

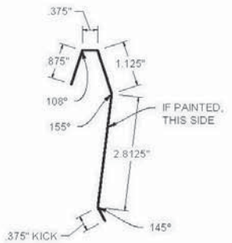
TAYLOR METAL PRODUCTS

EAVE LOW
(ELELP)



SCALE 1:2 S.O. 5.625" WEIGHT: 4.6 LBS.

GABLE STANDARD
(ELGS)



SCALE 1:3 S.O. 5.5625" WEIGHT: 4.6 LBS.

HEMMED RIDGE END CAP
(ELRECH)

S.O. 11.75"

WEIGHT: 10.45 LBS.

SCALE 1:5

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY

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SHEET ROOF PANEL DETAILS

PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH

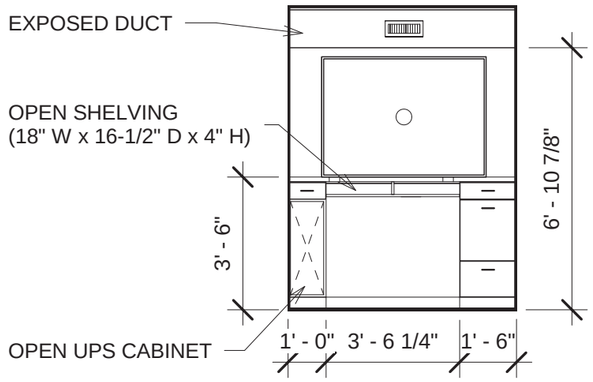
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104

DRW LA

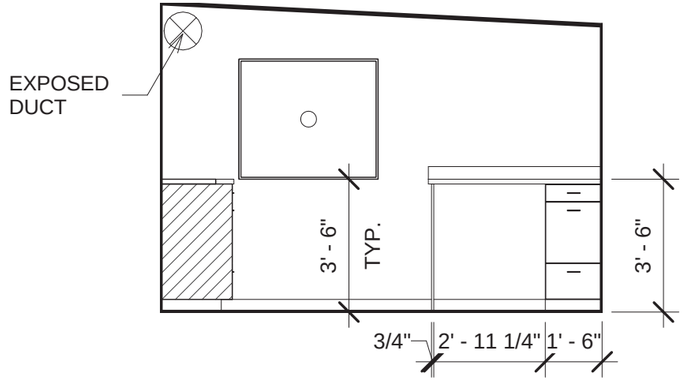
JOB# 2019-AR-42

SHEET # A 3.6

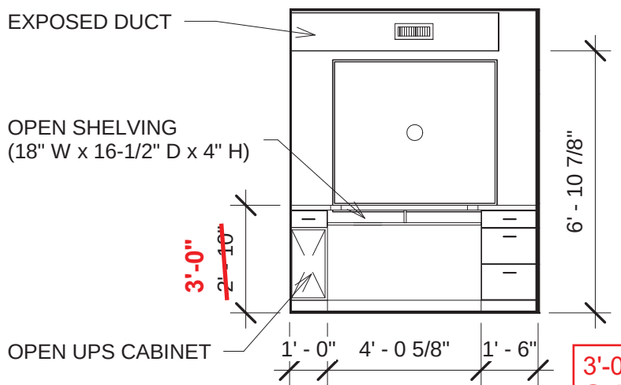
DATE 4/16/19



1 T.B. #3 - SOUTH
1/4" = 1'-0"

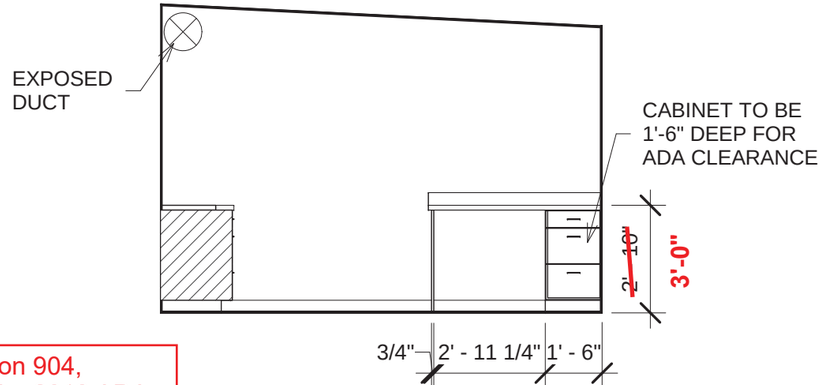


2 T.B. #3 - WEST
1/4" = 1'-0"



3 T.B. #1 - SOUTH
1/4" = 1'-0"

3'-0" per Section 904, Guidance on the 2010 ADA Standards for Accessible Design. This is a service counter to serve the public.



4 T.B. #1 - WEST
1/4" = 1'-0"

INTERIOR ELEVATION NOTES

1. DIMENSIONS TO FLOOR, WALLS AND CEILING ARE TO FACE OF FINISH (U.N.O.)
2. PROVIDE BLOCKING FOR ALL ACCESSORIES MOUNTED IN GYPSUM BOARD PARTITIONS. MAINTAIN INTEGRITY OF FIRE RATING WHERE ACCESSORIES ARE IN RATED WALLS.

1

APPROVED AS NOTED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

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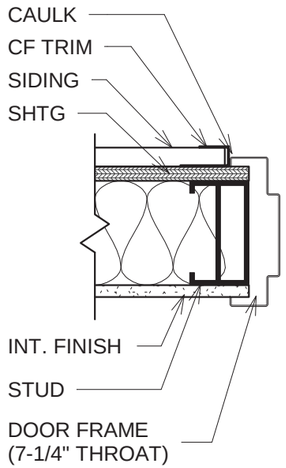
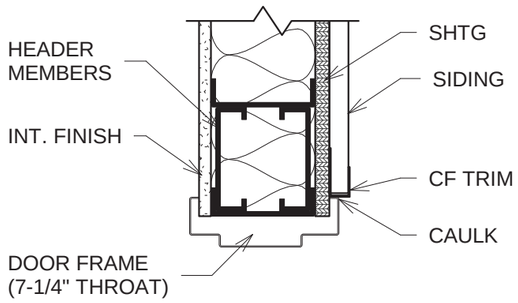
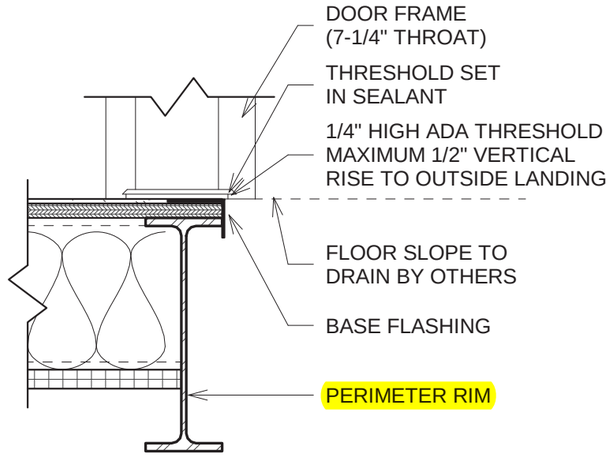
SHEET INTERIOR ELEVATIONS
JOB# 2019-AR-42
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
SHEET # A 4.0
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
DATE 4/16/19



JAMB

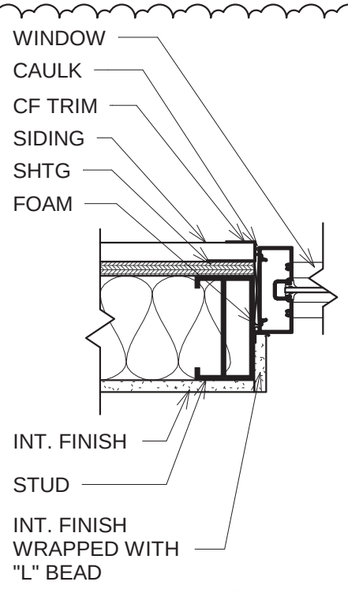


HEAD

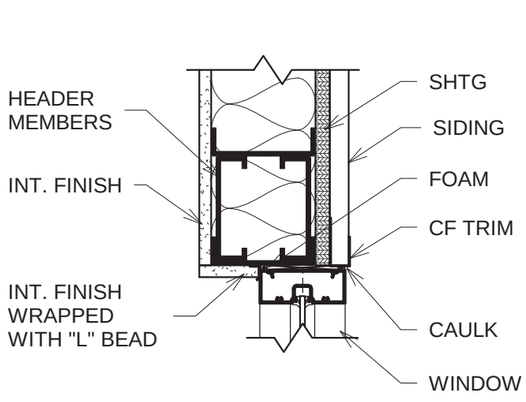


THRESHOLD

1 EXTERIOR DOOR DETAILS
1 1/2" = 1'-0"



JAMB



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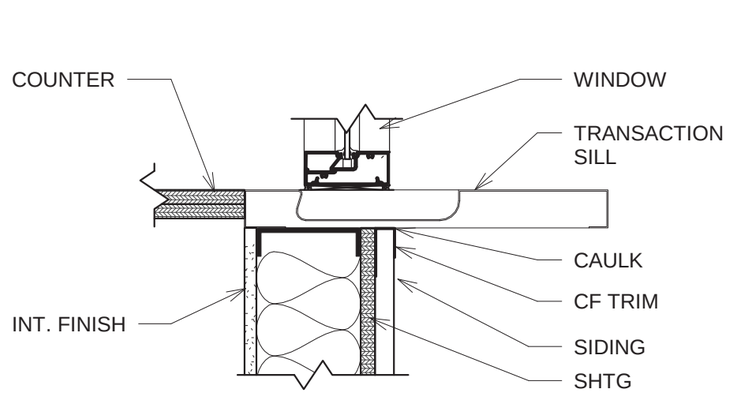

SILL

2 WINDOW DETAILS
1 1/2" = 1'-0"

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

MODERN BUILDING SYSTEMS

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SHEET WINDOW/DOOR DETAILS

JOB# 2019-AR-42

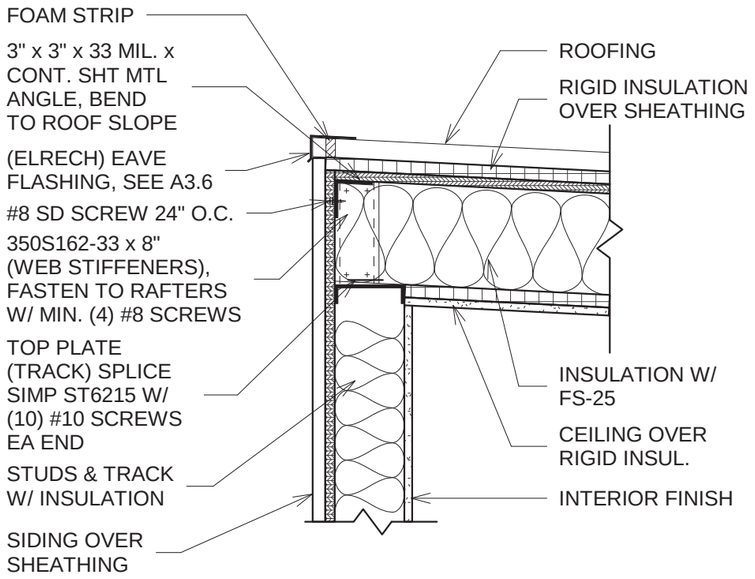
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH

SHEET # A 5.0

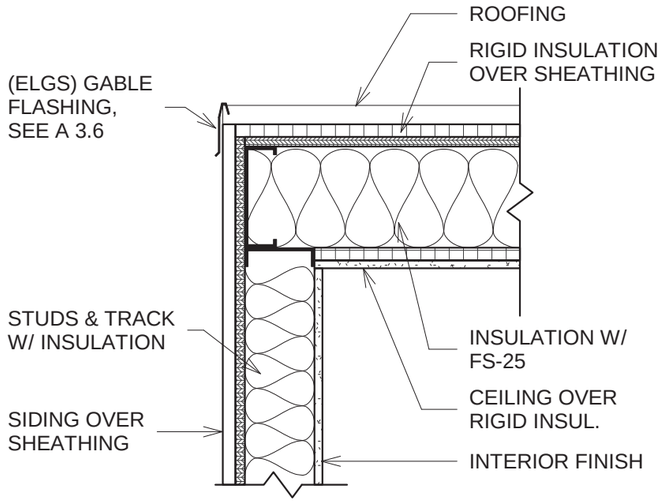
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104

DRW LA

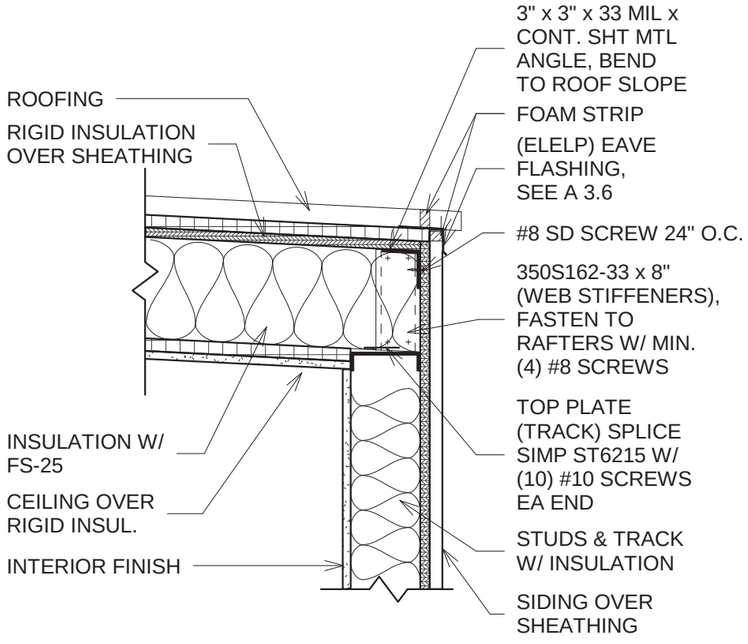
DATE 4/16/19



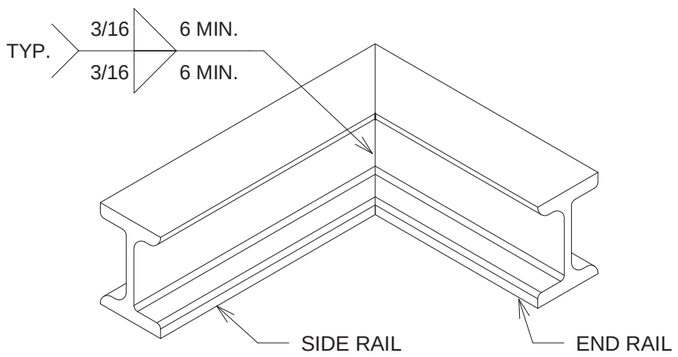
1 SIDEWALL EAVE (HIGH END)
1" = 1'-0"



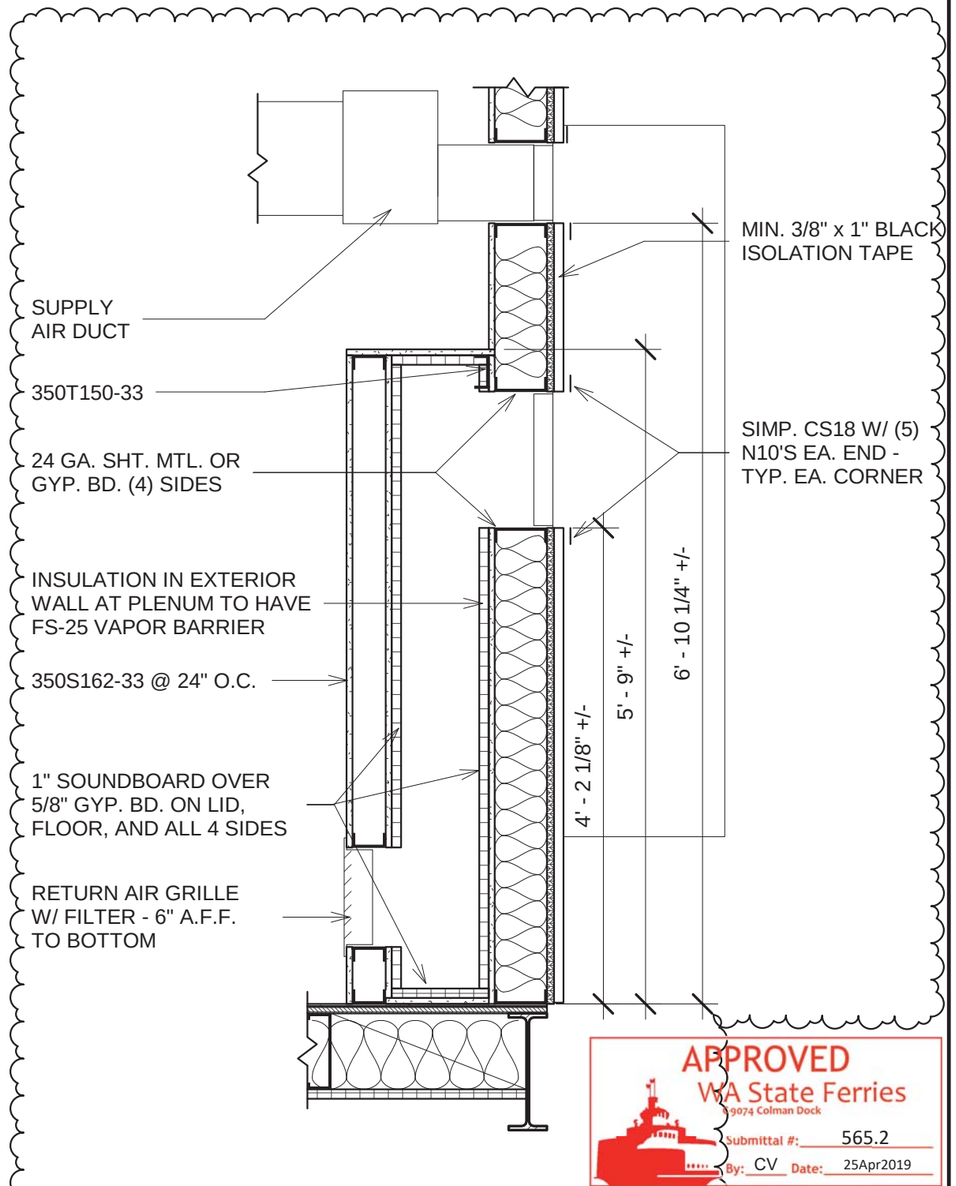
3 ENDWALL GABLE
1" = 1'-0"



2 SIDEWALL EAVE (LOW END)
1" = 1'-0"



4 FLOOR RIM
NTS



5 PLENUM SECTION
3/4" = 1'-0"

APPROVED
WA State Ferries
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

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SHEET DETAILS

JOB# 2019-AR-42

PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH

SHEET # S 4.4

ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104

DRW LA

DATE 4/16/19

ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION	HEIGHT ℄ (U.N.O)
	DUPLEX RECEPTACLE +17" A.F.F. (U.N.O.) GFCI = GROUND FAULT CIRCUIT INTERRUPTER WP = IN USE WEATHERPROOF COVER WR = WATER RESISTANT RECEPTACLE	+17"
CR	CONTROLLED DUPLEX RECEPTACLE 50% OF RECEPTACLE CONTROLLED BY SENSOR AND VISIBLY DIFFERENTIATED PER WSEC 405.10 TR = TAMPER RESISTANT	+17"
	4-PLEX RECEPTACLE	+17"
PP	CONTROLLED RECEPTACLE POWER PACK	-
	DISCONNECT	-
T	THERMOSTAT	+48" TOP
	PHONE/DATA BOX: - 3/4" CONDUIT UP (RACEWAY ONLY)	-

LIGHTING SYMBOLS LEGEND

SYMBOL	DESCRIPTION	HEIGHT ℄ (U.N.O)
OS DT	4-1/2" x 4' LED SURFACE FIXTURE W/ INTEGRAL nLIGHT DAYLIGHT AND OCCUPANCY SENSORS AND 90 MIN. BATTERY BACK-UP	CEILING
	8" x 8" LED SURFACE FIXTURE - CONTINUOUS DIMMING DL-P = DAYLIGHT ZONE - PRIMARY DL-S = DAYLIGHT ZONE - SECONDARY	CEILING
1	EXTERIOR LED WALL MOUNT LIGHT FIXTURE PC = PHOTOCELL WP = WEATHERPROOF	+86"
LC	LIGHTING CONTROL WALL SWITCH	+48" TOP

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

ELECTRICAL NOTES

1. CONDUIT SHALL BE ELECTRICAL METALLIC TUBING AND METAL CLAD CABLE
2. EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT TYPE W/ IN USE WEATHERPROOF COVER
3. FLUORESCENT LUMINAIRES WITH DOUBLE ENDED LAMPS THAT CAN BE SERVICED IN PLACE AND SHALL HAVE AN INTERNAL OR EXTERNAL DISCONNECT PER NEC 410.130G
4. BUILDING SERVICE SHALL BE SERVED BY ONLY ONE SERVICE OR FEEDER PER NEC 225.30 AND 230.2
5. SERVICE OR FEEDER DISCONNECT SHALL BE INSTALLED PER NEC 230.70. FOR BUILDINGS IN THE STATE OF WASHINGTON SERVICE OR FEEDER DISCONNECT SHALL BE INSTALLED PER WAC 296-46B-230
6. PERMANENT MEANS OF LOCKING OUT DISCONNECT TO MECHANICAL UNIT(S) SHALL BE PROVIDED PER NEC 424.19
7. PERMANENT MEANS OF LOCKING OUT DISCONNECT TO WATER HEATER(S) SHALL BE PROVIDED PER NEC 422.31(B)
8. GASKET ALL EXTERIOR WALL BOX PLATE COVERS
9. PER NEC 110.26D, ILLUMINATION FOR PANEL BOARDS, SWITCH-BOARDS, AND SERVICE EQUIPMENT SHALL NOT BE CONTROLLED BY AUTOMATIC MEANS ONLY. A MANUAL MEANS TO BYPASS THE AUTOMATIC CONTROL IS REQUIRED.
10. PER NEC 406.9(B)(1) 15 AND 20 AMP RECEPTACLES INSTALLED IN WET LOCATION SHALL HAVE AN ENCLOSURE THAT WEATHER-PROOF WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED. AN OUTLET BOX HOOD INSTALLED FOR THIS PURPOSE SHALL BE LISTED AND SHALL BE IDENTIFIED AS EXTRA DUTY". RECEPTACLES SHALL BE LISTED AS WEATHER-RESISTANT TYPE.
11. PER NEC 110.26, WORKING SPACE FOR EQUIPMENT OPERATING AT 600 VOLTS, NOMINAL, OR LESS TO GROUND AND LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED SHALL COMPLY WITH THE DIMENSIONS OF 110.26(A)(1), (A)(2), AND (A)(3)
12. PER NFPA 72, NEC 760 AND WAC 296-46B-760 DEVICE AND JUNCTION BOXES FOR FIRE ALARM SYSTEMS OTHER THAN SURFACE RACEWAY TYPE MUST BE SUBSTANTIALLY RED IN COLOR BOTH INSIDE AND OUTSIDE. POWER LIMITED FIRE PROTECTIVE SIGNALING CIRCUIT CONDUCTORS MUST BE DURABLY AND PLAINLY MARKED IN OR ON JUNCTION BOXES OR OTHER ENCLOSURES TO INDICATE THAT IT IS POWER LIMITED FIRE PROTECTIVE SIGNALING CIRCUIT.
13. PER NEC 110.22 AND WAC 296-46B-220-032 IDENTIFICATION PLATES ON DISCONNECTING MEANS ARE TO SHOW DESIGNATION OF CIRCUIT SOURCE PANEL BOARD THAT SUPPLIES DISCONNECT AND IDENTIFY WHAT IT IS DISCONNECTING. MUST BE AN IDENTIFICATION PLATE
14. PER NEC 406.3E, ALL NONLOCKING TYPE, 125 VA, 15 AMP, AND 20 AMP RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC CONTROL DEVICE, OR THAT INCORPORATE CONTROL FEATURES THAT REMOVE POWER FROM THE OULET FOR THE PURPOSE OF ENERGY MANAGEMENT OR BUILDING AUTOMATION, SHALL BE MARKED WITH THE SYMBOL SHOWN IN FIGURE 406.3E AND LOCATED ON THE CONTROLLED RECEPTACLE OUTLET WHERE VISIBLE AFTER INSTALLATION

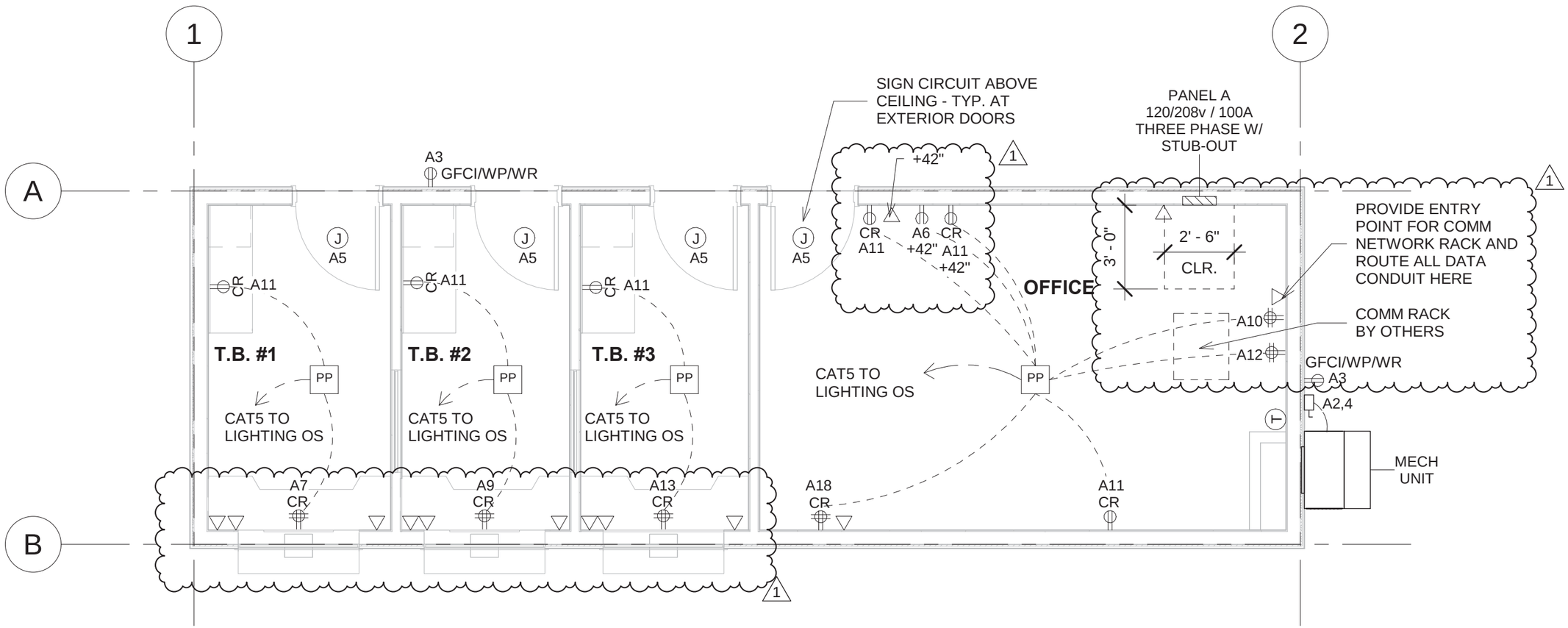
LIGHTING PLAN NOTES

1. THIS BUILDING PROVIDES LIGHTING "ADDITIONAL EFFICIENCY PACKAGE OPTIONS" PER C406.3 AND C406.4, TO INCLUDE WAC 51-11C, SECTION C406.4 #2, EXCEPTION #3
2. LIGHT LEVELS TO MEET WAC 246-366-115 TABLE 2
3. OCCUPANCY SENSOR(S) IN EACH ROOM WILL BE WIRED TO CONTROL ALL LIGHT FIXTURES IN THAT ROOM.
4. LIGHT WIRING AS SHOWN IS FOR GENERAL CONTROL CLARIFICATION ONLY. ACTUAL WIRING FOR CONTROLS (I.E.: SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS) SHALL BE PER CONTROL MANUFACTURER'S SPECIFICATIONS AND AS NECESSARY TO MEET THE CODE REQUIREMENTS FOR EACH CONTROL AND THE LIGHT FIXTURES CONNECTED TO IT.
5. DAYLIGHTING AND OCCUPANCY SENSORS ARE INTEGRAL TO EACH LIGHT FIXTURE AS SHOWN AND PROGRAMMED TO COVER EACH DAYLIGHT ZONE. OCCUPANCY SENSORS ARE PROGRAMMED TO CONTROL ALL FIXTURES IN THE SPACE

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

MODERN BUILDING SYSTEMS
MODERN BUILDING SYSTEMS, INC.
TELEPHONE: (503) 749-4949 FAX: (503) 749-4950
P.O. BOX 110, 9493 PORTER ROAD, AUMSVILLE, OR 97325
CHECK OUT OUR WEB PAGE: www.modernbuildingsystems.com

SHEET ELECTRICAL LEGEND & NOTES
JOB# 2019-AR-42
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
SHEET # E 0.1
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
DATE 4/16/19



1 ELECTRICAL PLAN
1/4" = 1'-0"

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

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SHEET ELECTRICAL PLAN

JOB# 2019-AR-42

PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH

SHEET # E 1.0

ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104

DRW LA

DATE 4/16/19

LIGHT FIXTURE WIRING LEGEND

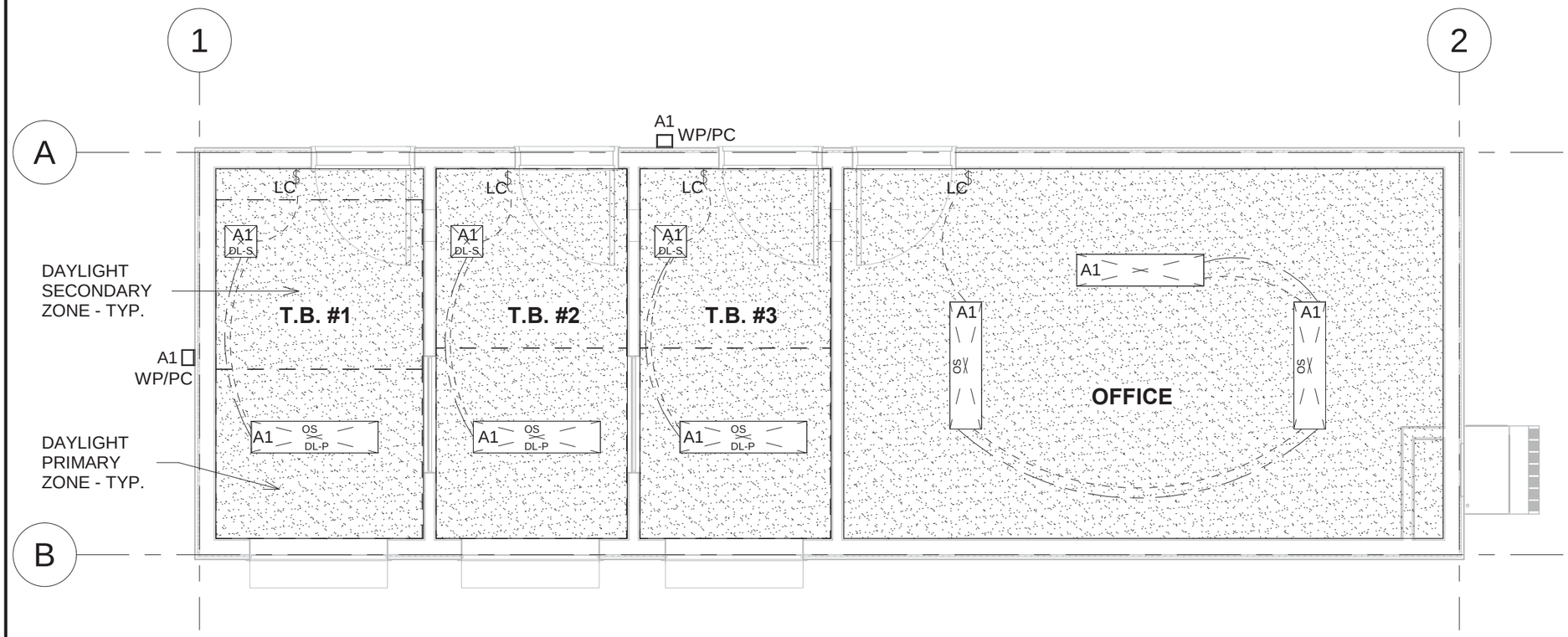
- - - - - - 120V POWER
—— – —— CAT5 CABLE

ELECTRICAL LIGHTING SUMMARY

TICKET BOOTHS	40 WATT x (3) = 120 WATTS
TICKET BOOTHS	14 WATT x (3) = 42 WATTS
OFFICE	40 WATT x (3) = 120 WATTS
TOTAL INTERIOR INPUT WATTS = 282 WATTS	
EXTERIOR LIGHTING	17 WATT x (2) = 34 WATTS
TOTAL EXTERIOR INPUT WATTS = 34 WATTS	

CONTINUOUS DIMMING PER WSEC C406.4
(282/282 = 100%) = NOT LESS THAN 90%

REDUCED LIGHTING POWER DENSITY MEETS WSEC C406.3
(282) WATTS ≤ (288) WATTS = (75%) x (0.89 WATT/FT^2) x 431/FT^2)



1 LIGHTING PLAN
1/4" = 1'-0"

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY

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SHEET LIGHTING PLAN
JOB# 2019-AR-42
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH
SHEET # E 2.0
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104
DRW LA
DATE 4/16/19

MAIN DISTRIBUTION PANEL PANEL A

MOUNTING Recessed

PROJECT NO: 2019-AR-42

DATE: 4/16/19

Load Name	Rating	Circuit Number	Number of Poles	A		B		C		Number of Poles	Circuit Number	Rating	Load Name
Lighting	20 A	A1	1	390 VA	3848...					2	A2	40 A	Mech. Unit
Exterior Recep.	20 A	A3	1			360 VA	3848...			--	A4	--	--
Sign Circuit	20 A	A5	1					1200...	1500...	1	A6	20 A	Microwave
T.B. #1 Window 4-plex Recep.	20 A	A7	1	360 VA							A8		
T.B. #2 Window 4-plex Recep.	20 A	A9	1			360 VA	360 VA			1	A10	20 A	Comm Rack 4-plex Recep.
T.B. and Office 4-plex Recep.	20 A	A11	1					1080...	360 VA	1	A12	20 A	Comm Rack 4-plex Recep.
T.B. #3 Window 4-plex Recep.	20 A	A13	1	360 VA							A14		
Spare	20 A	A15	1			0 VA					A16		
Spare	20 A	A17	1					0 VA	360 VA	1	A18	20 A	Office Recep.
Spare	20 A	A19	1	0 VA							A20		
Spare	20 A	A21	1			0 VA					A22		
		A23									A24		
		A25									A26		
		A27									A28		
		A29									A30		
				4956 VA		4928 VA		4500 VA					

	TOTAL PANEL VA=	14384 VA	40 A **=TOTAL PANEL AMPS**
BUSS SIZE	100		VOLTAGE 120/208 Wye
MAIN BREAKER	100 A		PHASE 3

ITEM	CONNECTED LOAD	DEMAND FACTOR	CALCULATED LOAD
LIGHTS	390 VA	125.00%	487 W
SIGN CIRCUIT	1200 VA	125.00%	1500 W
RECEPTACLE	3600 VA	100.00%	3600 W
DED. RECEPTACLE			0 W
MOTORS & COMPRESSORS			
EXHAUST FAN			0 W
HEATING & A/C (Per Mfg's Specs)			
TOTAL HEAT & A/C LOAD	7696 VA	100.00%	7696 W
MISCELLANEOUS			
MICROWAVE	1500 VA	100.00%	487 W
CONNECTED LOAD		**CALCULATED LOAD**	
TOTAL VA =	14386 VA	TOTAL VA =	14783 VA
TOTAL AMPS =	40 A	TOTAL AMPS =	41 A

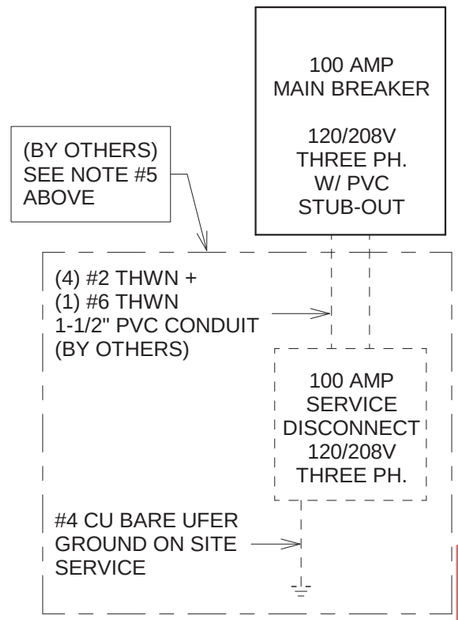
NOTE: CONNECTED LOAD FOR LIGHTS IS FROM NEC TABLE 220.12

1

ONE-LINE DIAGRAM NOTES

1. EMT CONDUIT SHALL NOT BE USED WITH UNFUSED CONDUCTORS INSIDE BUILDING LINES
2. FIELD VERIFY AIC RATING REQUIREMENTS
3. BUILDING / SERVICE DISCONNECTING MEANS MUST BE LOCATED ON OR WITHIN 15 FEET OF THE BUILDING AND MUST HAVE LABEL IDENTIFYING IT'S FUNCTION AS THE BUILDING DISCONNECT PER WAC 296-46B-225
4. GROUNDING TO BE IN ACCORDANCE TO NEC 250
5. SITE INSTALLED PORTION OF ELECTRICAL DISTRIBUTION SYSTEM DESIGN IS GENERIC. SUBJECT TO APPROVAL OF ELECTRICAL LOCAL AUTHORITY HAVING JURISDICTION PLAN REVIEW AND/OR INSPECTION OF SITE INSTALLED ELECTRICAL DISTRIBUTION SYSTEM

(BY MODERN)



APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

ONE-LINE DIAGRAM

NO SCALE

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

MODERN BUILDING SYSTEMS

MODERN BUILDING SYSTEMS, INC.
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CHECK OUT OUR WEB PAGE: www.modernbuildingsystems.com

SHEET ELEC. PANELS & LOAD CALCS.

JOB# 2019-AR-42

PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH

SHEET # E 3.0

ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104

DRW LA

DATE 4/16/19

HVAC EQUIPMENT SCHEDULE

Mark	Count	Description	Manufacturer	Model	Heating Efficiency	Cooling Efficiency	Weight (LBS)	Heating Capacity (Btu/h)	Cooling Capacity (Btu/h)	CFM	MCA	MOP	Volts	Phase	Notes
MECH UNIT	1	1.5 TON WALL MOUNT HEAT PUMP	BARD	W18HA	COP = 3.00	EER = 10.2	330	16,500	17,100	600	37	40	230/208	1	4 kW HEAT STRIP AND ECONOMIZER

MECHANICAL NOTES

1. CONTROLS:
   - THERMOSTAT:
     - HONEYWELL TH8321R1001/U

2. DUCTWORK:
   - MATERIAL:
     - 1" FIBERGLASS (R-4.3) OR 24 GA. SHEET METAL W/ 26 GA. SHEET METAL ROUNDS AND FLEX DUCT ROUNDS AT DIFFUSERS
   - INSULATING AND SEALING:
     - DUCTWORK TO BE INSULATED AND SEALED PER OEESC 503.2.7 AND WSEC C403.2.8.1 AND C403.2.8.2
   - CONSTRUCTION:
     - DUCTWORK TO BE CONSTRUCTED AS LOW PRESSURE DUCT SYSTEM PER OEESC 503.2.7.1.1 AND WSEC C403.2.8.3.1

3. VOLUME DAMPERS:
   - PROVIDE VOLUME DAMPERS TO CONTROL AIRFLOW AT EACH TAKE-OFF

4. DESIGN MECHANICAL EQUIPMENT TO MEET NC-35
   - NOISE CRITERION AND MECHANICAL BACKGROUND NOISE AT OR BELOW 45 DBA.
   - LOCATE BUILDINGS AWAY FROM NOISE AND POLLUTION SOURCES

DEDICATED OUTSIDE AIR SYSTEM (DOAS)

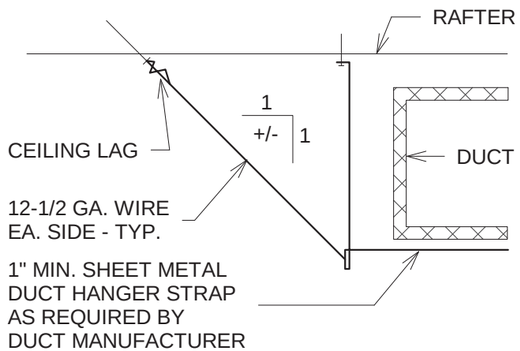
1. PROJECT MEETS WSEC C406.6 (DOAS) PER C403.6.1; C403.5.1 & TABLE C403.5.1(1) AT 10.2% OSA RATE TO FULL DESIGN FAN AIRFLOW RATE. ERV NOT REQUIRED PER TABLE C403.5.1(1) CLIMATE ZONE 4C, 5B

OUTSIDE AIR CALCULATION - UNIT A

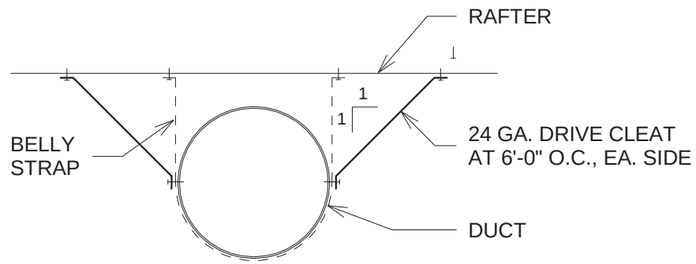
Name	Area	Occ. Density (#/1000 FT2)	People Airflow Rate (CFM/Person)	Area Outdoor Airflow Rate (CFM/FT2)	Exhaust Airflow Rate (CFM/FT2)	Qty. Flush Fixt.	Occ. Load	Occ. Airflow (CFM)	Area Airflow (CFM)	Exhaust Airflow (CFM)
OFFICE	231 SF	5	5	0.06	0	0	2	10	14	0
T.B. #1	86 SF	5	5	0.06	0	0	1	5	5	0
T.B. #2	78 SF	5	5	0.06	0	0	1	5	5	0
T.B. #3	78 SF	5	5	0.06	0	0	1	5	5	0
							5	25	28	0

HVAC SYMBOLS LEGEND

SYMBOL	DESCRIPTION	HEIGHT ℄ (U.N.O)
(T)	THERMOSTAT	+48" TOP



1 DUCT SUPPORT
1" = 1'-0"



2 DUCT SUPPORT (ROUND)
1" = 1'-0"

APPROVED
WA State Ferries
C9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY

MODERN BUILDING SYSTEMS

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SHEET HVAC NOTES & LEGEND

JOB# 2019-AR-42

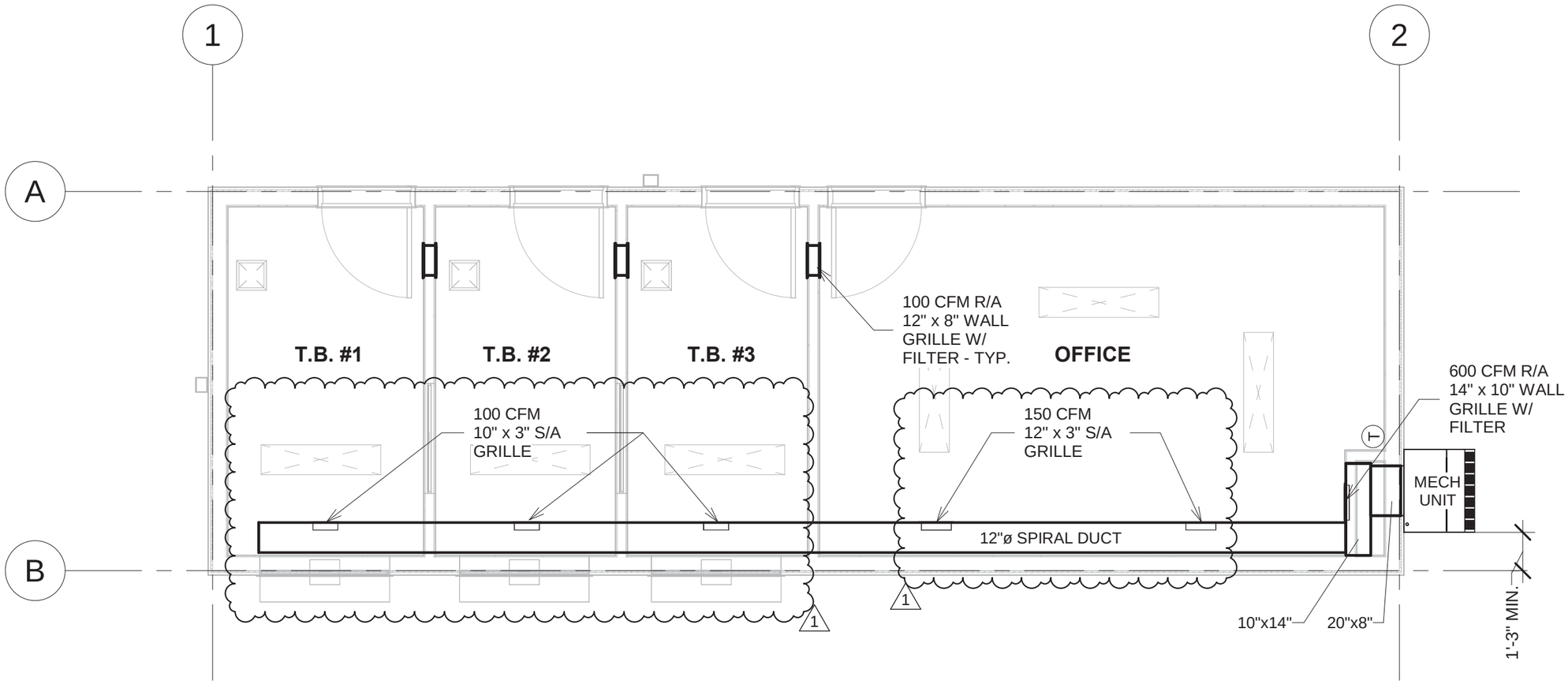
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH

SHEET # M 0.1

ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104

DRW LA

DATE 4/16/19



1 HVAC PLAN
1/4" = 1'-0"

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

REV.	DESCRIPTION	DATE	BY
1	CUSTOMER	TBD	LA

MODERN BUILDING SYSTEMS

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CHECK OUT OUR WEB PAGE: www.modernbuildingsystems.com

SHEET HVAC PLAN

JOB# 2019-AR-42

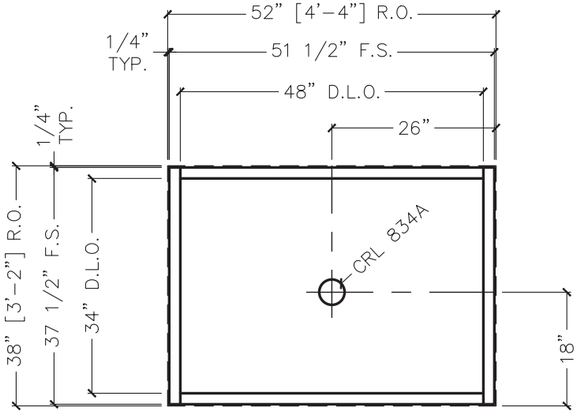
PROJ. 13' x 40' MODULAR OFFICE
HOFFMAN TICKET BOOTH

SHEET # M 1.0

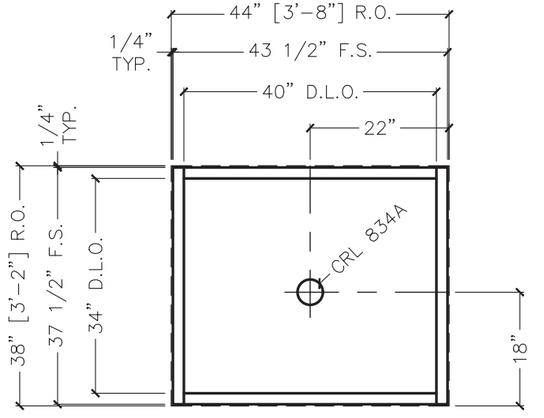
ADDRESS 841 ALASKAN WAY, SEATTLE, WA 98104

DRW LA

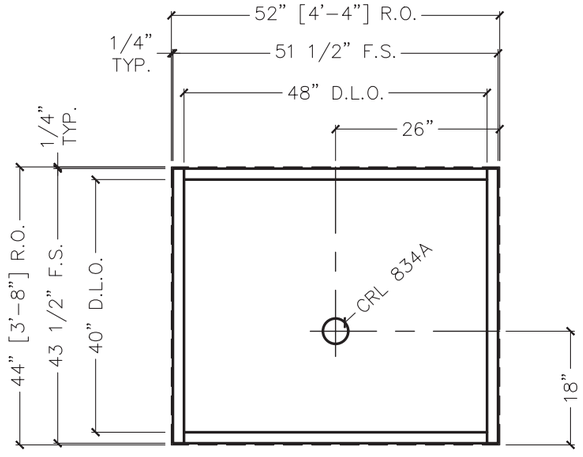
DATE 4/16/19



A 301 ARCH. REF. — Transaction Window Elevation — 1/2" = 1'-0" — QTY.: 2



B 301 ARCH. REF. — Int. Transaction Window Elevation — 1/2" = 1'-0" — QTY.: 2



C 301 ARCH. REF. — Transaction Window Elevation — 1/2" = 1'-0" — QTY.: 1

Frame: Kawneer 450 Center Glazed Storefront
Finish: Class 2 Clear Anodized
Sealant: Spectrem II Anodized Aluminum
Glass: 1/4" Clear Tempered

Window Between Booths Mark C per A1.0 and A3.2

ADA Ticket Booth Customer Transaction Window Mark B per A1.0 and A3.2

FIELD VERIFY ALL DIMENSIONS

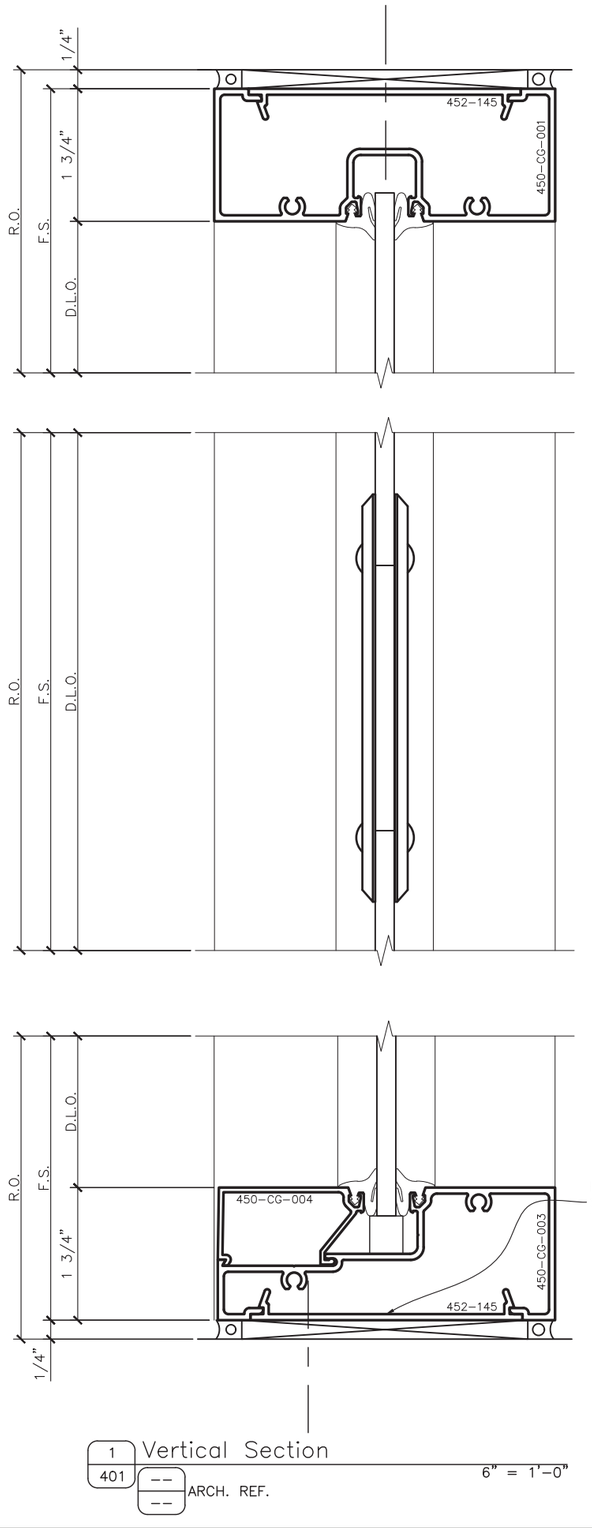
APPROVED AS NOTED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

2324 12th Street SE
Salem, Oregon 97302
ph (503) 581-5001 fx (503) 581-2575
SouthTown GLASS

REVISIONS:

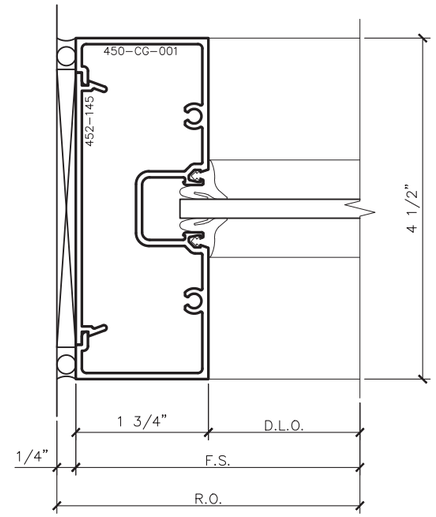
*	DATE	BY
1	----	----
2	----	----
3	----	----
4	----	----
5	----	----
6	----	----
7	----	----

PROJECT: Hoffman Ticket Booth
LOCATION: 9493 Porter Rd. SE Aumsville OR 97325
ARCHITECT: ----
GENERAL CONTRACTOR: Modern Building Systems
DATE: 4.22.19
DRAWN BY: MAC
SHEET: 301



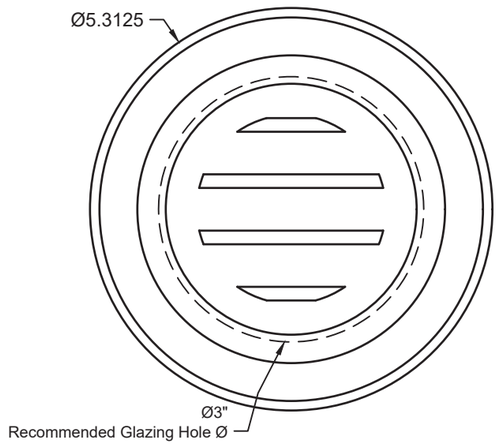
1 / 401 Vertical Section — 6" = 1'-0"

ARCH. REF.



1 / 401 Jamb Detail — 6" = 1'-0"

ARCH. REF.



1 / 401 834A Speak Thru Detail — 6" = 1'-0"

ARCH. REF.

APPROVED
WA State Ferries
C-9074 Colman Dock
Submittal #: 565.2
By: CV Date: 25Apr2019

2324 12th Street SE
Salem, Oregon 97302
ph (503) 581-5001 fx (503) 581-2575
SouthTown GLASS

REVISIONS:

*	DATE	BY
1	----	----
2	----	----
3	----	----
4	----	----
5	----	----
6	----	----
7	----	----

PROJECT: HOFFMAN TICKET BOOTH
LOCATION: 9493 PORTER RD. SE AUMSVILLE OR 97325
ARCHITECT: ----
GENERAL CONTRACTOR: MODERN BUILDING SYSTEMS
DATE: 4.22.19
DRAWN BY: MAC
SHEET: 401